**Jasper:**

* Jasper is Tomcat's JSP Engine.
* Jasper parses JSP files to compile them into Java code as servlets (that can be handled by Catalina).
* At runtime, Jasper detects changes to JSP files and recompiles them.
* As of version 5, Tomcat uses Jasper 2, which is an implementation of the Sun Microsystems' JSP 2.0 specification.

**Catalina:**

* Catalina is Apache Tomcat's servlet container.
* Catalina implements the specifications for servlet and JavaServer Pages (JSP).
* Catalina is the Java Engine (JRE/JVM) that’s built-in Tomcat and provides an environment in which servlets can be run.

**Coyote:**

* Coyote is a Connector component for Tomcat that supports the HTTP 1.1 and 2 protocol as a web server.
* This allows Catalina, nominally a Java Servlet or JSP container, to also act as a plain web server that serves local files as HTTP documents.
* Coyote listens for incoming connections to the server on a specific TCP port and forwards the request to the Tomcat Engine to process the request and send back a response to the requesting client.

**Engine:**

* An Engine element represents the entire request processing machinery associated with a particular Catalina Service.
* It receives and processes all requests from one or more Connectors, and returns the completed response to the Connector for ultimate transmission back to the client.

**Host:**

* The Host element represents a virtual host, which is an association of a network name for a server.

**Context:**

* The Context element represents a web application. This is run within a particular virtual host.